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M Kojo, A Gurtov, J Manner, P Sarolahti... - ... and **Communication** ..., 2001 - Citeseer  
... is the Simulation process (SP) that cause delays and packet losses to emulate the target ... the principle of having a set of routers (switches, etc.) interconnected by **communication** links remains ... thus inspect the effect of congestion and congestion-based losses at a **network** node. ...

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**Reconsidering wireless systems with multiple radios**

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P Bahi, A Adya, J Padhye... - ... Computer **Communication** ..., 2004 - portal.acm.org  
... such radios it is important to remember that the radios may have significantly different **communication** ranges and ... Figure 7: Median TCP throughput from 100 transfers in a 23- node multi-radio wireless mesh **network** ... We **simulate** web traffic using the model provided in NS-2 [ ...

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**IP-based access network infrastructure for next-generation wireless data networks**

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R Ramjee, TF La Porta, L Sargarelli... - ... **Communications**, ..., 2000 - [ieeexplore.ieee.org](#)  
... We **simulate** audio traffic to the **mobile** host from a correspondent host (and through the HA in case of **Mobile IP**) in the form of 160-byte UDP packets transmitted every 20 ... A HAWAU-Based Next- Generation WireZess Data **Network** ... IEEE Personal **Communications** August 2000 ...

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**Mobile communication network**

JT Vikberg, JA Gårdman, M Hallenstål... - US Patent ..., 2005 - Google Patents  
... terminal 1 to access the **GSM** core **network** portion, and through this, other **communication** networks via ... base station HBS 104 and the home base station controller HBSC 105 emulate the operation ... In other words, when viewed from the elements of the core **network** 2s 20 such ...

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**Design and implementation of a telemedicine system using Bluetooth protocol and GSM/GPRS network, for real time remote patient monitoring**

Y Jaserian... - Technology and Health Care, 2005 - IOS Press  
... to establish a traditional **GSM** data service connection to the public **mobile communication network** automatically. When the connection is established, the **GSM** phone acts as a **mobile** modem to the ... To **simulate** a patient a MTK phantom 320 ECG-simulator with 256 Hz sampling ...

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**[BOOK] GSM, GPRS and EDGE performance: evolution towards 3G/UMTS**

T Halonen, J Romero... - 2003 - [books.google.com](#)  
... Software and Programming Issues 602 E. 4.2 Basic Functionality of the **Simulator** 602 E ... another major incentive for operators to provide their customers with seamless **communications** services. Since EDGE and WCDMA will operate on the same **GPRS** core **network**, the EDGE ...

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**Supporting nomadic agent-based applications in the FIPA agent architecture**

M Laukkainen, H Hein... - Proceedings of the first ..., 2002 - portal.acm.org  
... link used in measurements was implemented using the Seawind wireless **network simulator** [17]. ... of subsequent messages are not transmitted multiple times over the **communication** channel, but ... Moreover, for the autonomous link control, CA in the **mobile device** subscribes to ...

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**A mobile communication network**

JT Vikberg, JA Gårdman, M Hallenstål... - EP Patent ..., 2004 - [freepatentsonline.com](#)  
... terminal 1 to access the **GSM** core **network** portion, and through this, other **communication** networks via ... base station HBS 104 and the home base station controller HBSC 105 emulate the operation ... In other words, when viewed from the elements of the core **network** 20 such as ...

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**Performance evaluation of public key-based authentication in future mobile communication systems**

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G Kambourakis, A Rouskas... - ... **Wireless Communications** ..., 2004 - portal.acm.org  
... A mechanism similar to "the security mode command" message of the radio access **network** application **protocol** ... was to take measurements of the AKA procedure and at the same time **simulate** the consumption of processing power and **communication** resources ...

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**A new method to support UMTS/WLAN vertical handover using SCTP**

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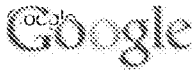
L Ma, F Yu, VCM Leung... - ... **Communications**, IEEE, 2004 - [ieeexplore.ieee.org](#)  
... an easy task. Page 6. IEEE **Wireless Communications** • August 2004 49 ... We use **network simulator** ns-2 to perform the simulations and obtain the results reported in this article. We extend the SCTP module in ns-2 so that the multihoming feature can work over wireless links. ...

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used tools for **simulating protocols** in **mobile** multihop ad-hoc **networks**. Both simulation environments focus on a detailed simulation of **protocol layer** 1 to ... or leaves the **communication** range of the **device** running the application. Ad- ...

[K1297-G20 Protocol Testers: Base Units > Data](#)

[Sheets : Tektronix](#)

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... **communication networks**, especially in **mobile networks**. Test generation capabilities provide the means to **simulate** specific **protocol layers** and **emulate** ...

[Wireless sensor network - Wikipedia, the free encyclopedia](#)

[en.wikipedia.org/wiki/Wireless\\_sensor\\_network](http://en.wikipedia.org/wiki/Wireless_sensor_network) - Cached

A wireless sensor **network** (WSN) consists of spatially distributed ... memory, computational speed and **communications** bandwidth. .... Many techniques are used to connect to the outside world including **mobile phone networks**, satellite phones, ... of Automation provide vertical solutions, covering all **protocol layer**. ...

[MCNet \(Mobile Communication Network\)](#)

[www.vector.com/vi\\_mcnnet\\_en.html](http://www.vector.com/vi_mcnnet_en.html) - Cached

Sep 23, 2007 – MCNet builds upon the proven Controller Area **Network** (CAN). ... including transport **protocol** and **network** management. ... video and navigation **devices**, can easily be integrated in MCNet by ... With this interface MCNet components can be **simulated** and data **communication** between the MCNet components in ...

» [\[PDF\] UMTS Protocols and Protocol Testing](#)

[n.hive.no/elt50/umts.pdf](http://n.hive.no/elt50/umts.pdf)

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capacity in the overcrowded **mobile communications** sky.

The new **network ... phone** ) were introduced in the late 1940s in the United States and in the early ..... This **protocol layer** provides UTRAN-specific signaling and control over the lu ..... when testing an RNC, the test equipment can **simulate** the CN behavior, ...

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» Voice over IP - Wikipedia, the free encyclopedia

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Internet telephony refers to **communications** services—Voice, fax, SMS, ... as Internet **Protocol** (IP) **packets** over a **packet-switched network**. ... An analog telephone adapter is a **device** that connects to the **network** and .... **layer protocol** overhead, and no need to abort a low priority **packet** and resend it later. ...

[DOC] A network switch is a computer networking device that connects ...

www.connectindia.in/posts/downloadAttach/23670.htm

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**Switches** that additionally process data at the **Network layer** (**layer 3** ... channel) between **nodes** and terminals before the users may **communicate**, ... Virtual **circuit switching** is a **packet switching** technology that may **emulate circuit switching**, ... routing arrangements change or the participant uses a **mobile device**. ...

[PDF] Modeling Adaptive Routing Protocols In High Speed Interconnection ...

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by D Lugones - Cited by 2 - Related articles

**Networks** (HSIN) to connect processing **nodes**. Thus, quite .... **communicating devices** requires transmitting the information ... **simulated switch** architecture. The flow control of **packets** across the physical channel between ... represent applications, **protocol layers**, and physical resources, such as buffers, ports, ...

[PDF] The concept of robust header compression, ROHC

www.ietf.org/sites/ietf/.../Whitepaper\_Robust\_Header\_Compression.p...

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The Internet **Protocol** (IP) is the choice of transport **protocol** on both wired and ... leading to the convergence of telecommunication and data **networks**. ... These schemes are suitable for wireless links with strong link **layer** ..... function is a part of the **mobile device** and the **packet** data **switching node** (PDSN). ...

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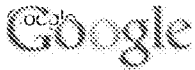
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Apr 22, 2011 – **GPRS** is the first step in creating an enhanced **GSM** core **network** solution for UMTS. ... or “**cell phone**” when referring to mobile **communication**. ..... **communication protocol layers** is **simulated** automatically and in ...

[PDF] **Mobile Communications**

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In the Internet **protocols**: Mobile IP as enhancement of „normal“ IP. Lehrstuhl für Informatik 4 ... Used for **mobile phone networks** and data **networks** like Wireless LAN ... **Communication (GSM)**. Location tracking via the Global Positioning System (GPS) ... be **simulated**, thus attracting calls from mobile phones ...

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**3GPP Long Term Evolution - Wikipedia, the free encyclopedia**

[en.wikipedia.org/wiki/3GPP\\_Long\\_Term\\_Evolution](http://en.wikipedia.org/wiki/3GPP_Long_Term_Evolution) - Cached

3GPP Long Term Evolution (LTE) is a standard in the **mobile phone network** technology ... Much of 3GPP Release 8 focuses on adopting 4G mobile **communication** ... on their part using **GSM/GPRS** or W-CDMA-based UMTS or even 3GPP2 **networks** such as .... IP, Internet **Protocol**, is a practical implementation of the OSI Model. ...

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**K1297-G20 Protocol Testers: Base Units > Data Sheets - Tektronix**

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